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APPLICATION NO. FIRST NAMED INVENTOR FILING DATE ATTORNEY DOCKET NO. CONFIRMATION NO. 10/500.360 06/30/2004 Takanori Otsuhata TAN-339 2413 7590 EXAMINER 04/28/2005 Sherman & Shalloway HESS, BRUCE H 413 North Washington Street PAPER NUMBER Alexandria, VA 22314 ART UNIT 1774

DATE MAILED: 04/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/500,360	OTSUHATA ET AL
	Examiner	Art Unit
	Bruce H. Hess	1774
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE		
Status		
1) Responsive to communication(s) filed on		
2a) This action is FINAL . 2b) ⊠ This	action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is		
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims		
4) Claim(s) 1-3 is/are pending in the application	n.	
4a) Of the above claim(s) is/are withdray		
5) Claim(s) is/are allowed.	Section 18 1	
6) ☑ Claim(s) 1-3 is/are rejected.		
7) Claim(s) is/are objected to.		The state of the state of the state of
8) Claim(s) are subject to restriction and/or	election requirement.	
Application Papers		
9) The specification is objected to by the Examine	r:	
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be neld in abeyance. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).		
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Off	ice Action or form PTO-152.
Priority under 35 U.S.C. § 119		t .
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119	9(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this National Stage		
application from the International Bureau (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list of the certified copies not received.		
Attachment(s)		
1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summ	ary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	аі ғаші Арріісаціон (РТО-152)
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1. Claim 3 is rejected under 35 U.S.C. 112 (second paragraph) as being indefinite for the reasons set forth below:

- a. Was this claim intended to depend on claim 1? Otherwise, there is no antecedent basis for the recitation "the thermally sensitive recording medium" (emphasis added) in line 1 of claim 1; and
- b. The meaning of the "comprising the coating" limitation in the last two lines is not clear.
- 2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's statement of the prior art in view of the patent to Tajiri et al (USP 6,680,281).

Applicants acknowledge in their specification that the patent to Morita (JP 07-266711) teaches a thermally sensitive recording medium which employs acrylic emulsion and colloidal silica in the thermally sensitive recording layer. Since the color of this recording deteriorates (see the last line of specification), one of ordinary skill in this art would look to teachings such as Tajiri et al which describe color preservability agents for use in thermally sensitive recording media (see column 6, lines 55 and 56). One such preferred agent is the compound of formula (1) which includes the diphenylsulfone bridgeable compound of applicants' claims. Consequently, use of the Tajiri et al preservability agent for its concomitant function in the recording medium of Morita would have been obvious to one of ordinary skill in this art in the absence of unexpected results.

BRUCE H. HESS PRIMARY EXAMINER GROUP 1300